

Revision of Unit - 4

DSE Core 4:

MVC Design Pattern in PHP

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Unit – 4 (Revision)

- Reasons for validating a form
- Using the Form Validation Library
- Saving sets of validation rules to config file
- Using callbacks
- Database interaction
- Performing simple queries
- Returning values
- Result helper functions
- Active Record and Active Record caching
- Method chaining
- Manipulating databases

Database interaction

- **Manually Connect**

```
$this->load->database();
```

- **Auto connect**

- `$autoload['libraries'] = array('database');`

Database Config

```
73 $active_group = 'default';
74 $query_builder = TRUE;
75
76 $db['default'] = array(
77     'dsn' => '',
78     'hostname' => 'localhost',
79     'username' => 'root',
80     'password' => 'root',
81     'database' => 'ci_db_demo',
82     'dbdriver' => 'mysqli',
83     'dbprefix' => '',
84     'pconnect' => FALSE,
85     'db_debug' => (ENVIRONMENT !== 'production'),
86     'cache_on' => FALSE,
87     'cachedir' => '',
88     'char_set' => 'utf8',
89     'dbcollat' => 'utf8_general_ci',
90     'swap_pre' => '',
91     'encrypt' => FALSE,
92     'compress' => FALSE,
93     'stricton' => FALSE,
94     'failover' => array(),
95     'save_queries' => TRUE
96 );
97
```

Most Useful Database methods

- `insert()`
- `update()`
- `delete()`
- `select()`
- `get()`
- `affected_rows()`
- `set()`
- `where()`

Database methods

- `result()`
- `resultArray()`
- `row()`
- `row_array()`
- `num_rows()`
- `last_query()`
- `query()`

- More ?

https://codeigniter.com/userguide3/database/query_builder.html

**Now Let's Start
Practical work**